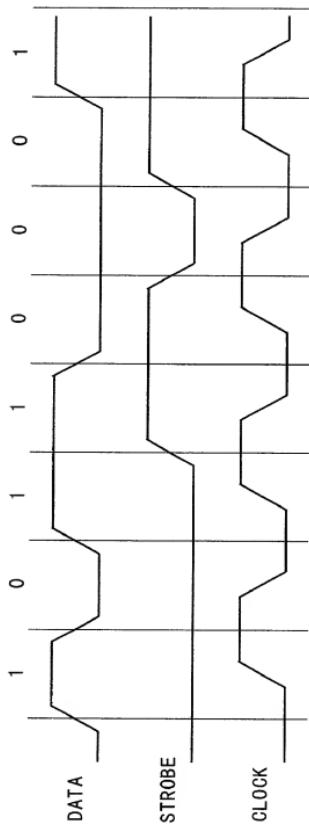
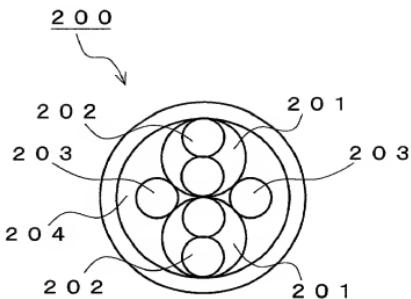


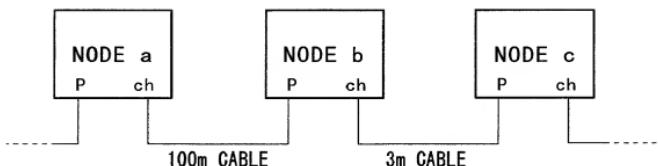
FIG. 1



F I G. 2



F I G. 5



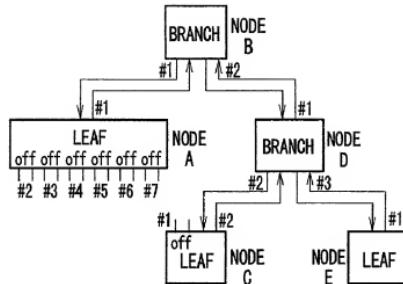


FIG. 3A
(BUS INITIALIZATION)

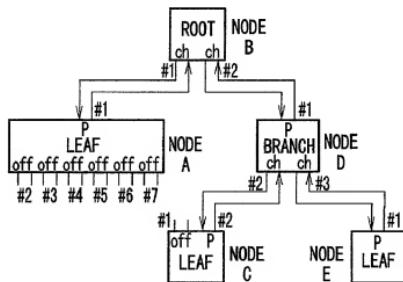


FIG. 3B
(TREE IDENTIFICATION)

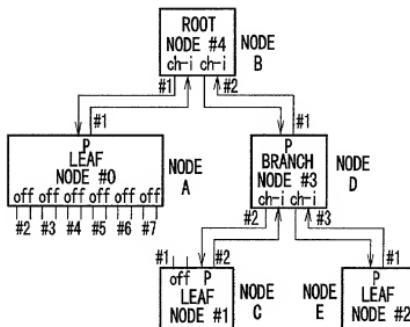


FIG. 3C
(SELF IDENTIFICATION)

F - G. 4

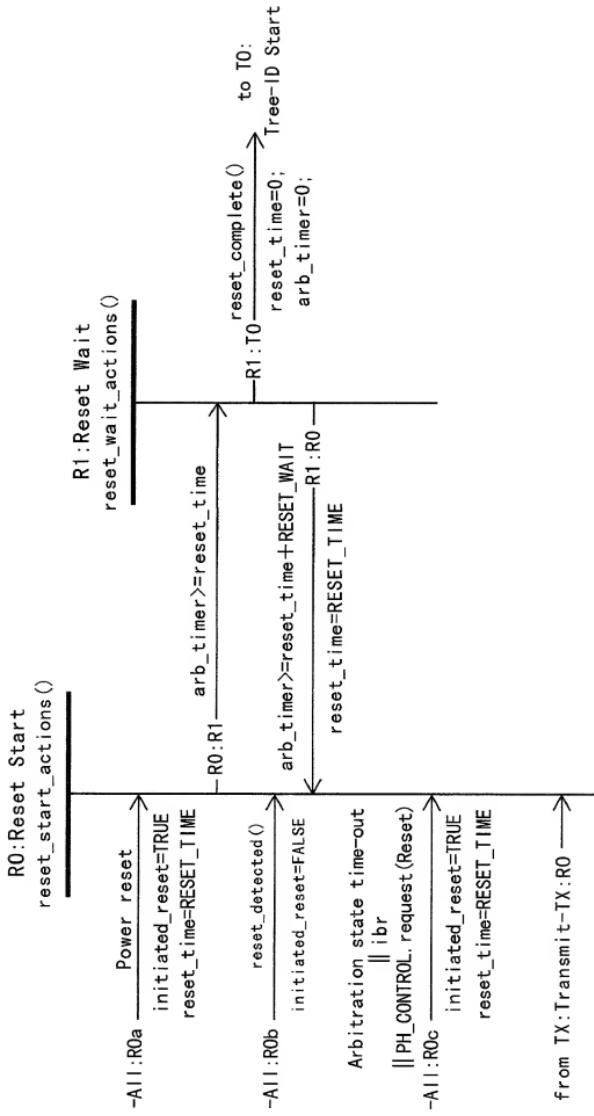
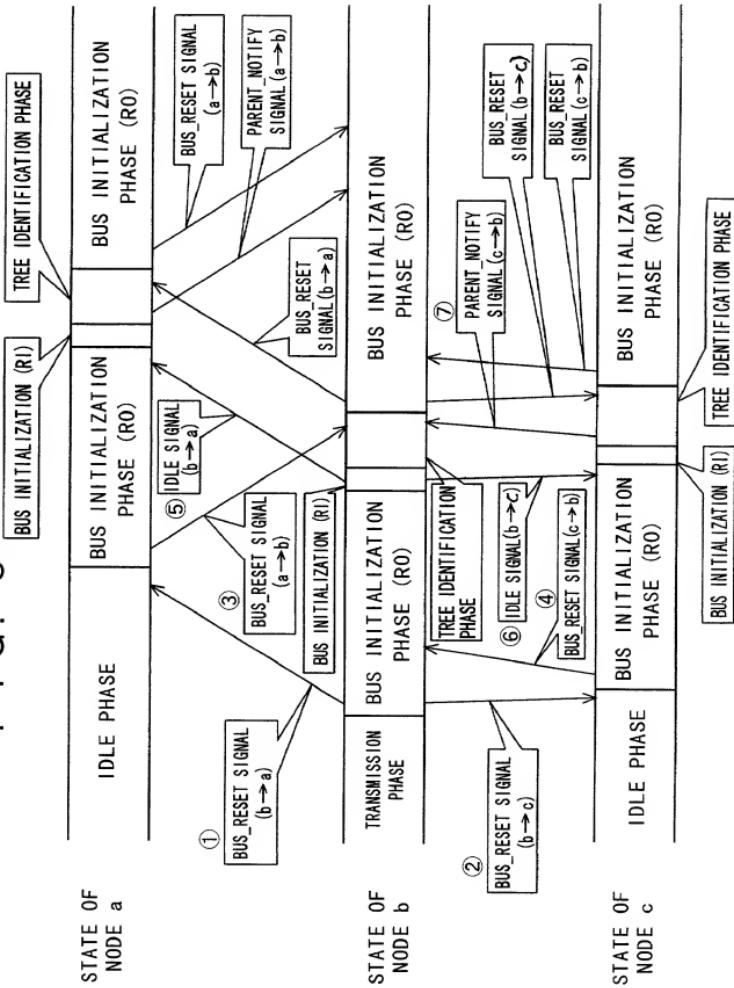


FIG. 6



F - G . 7

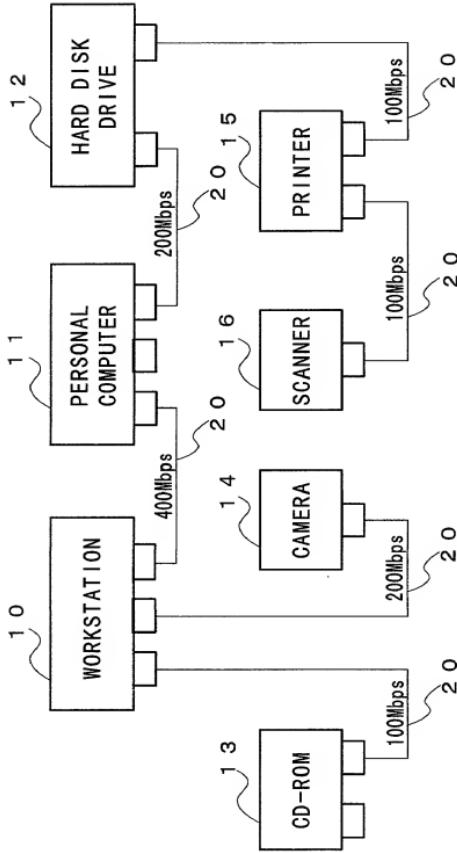


FIG. 8

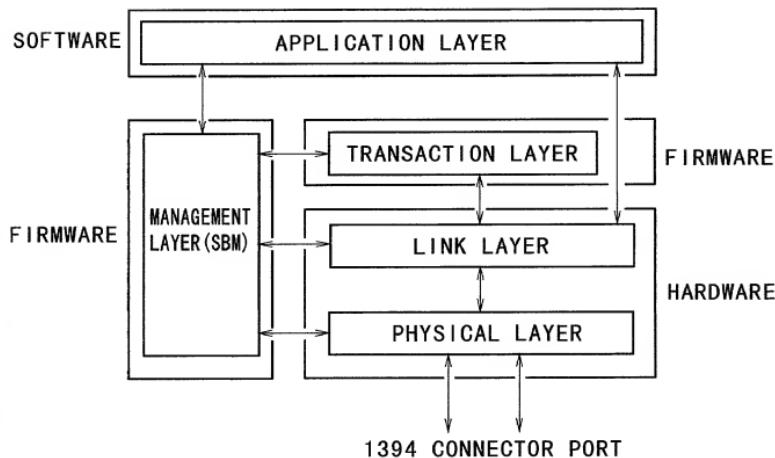
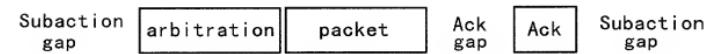


FIG. 9



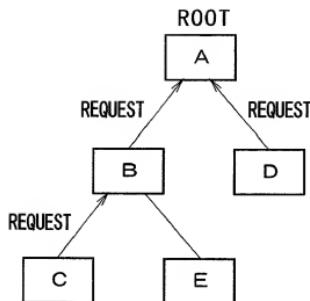


FIG. 10A

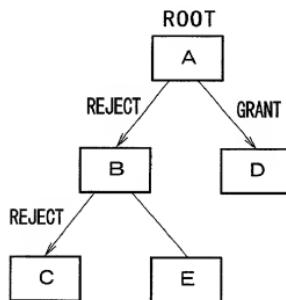


FIG. 10B

FIG. 11

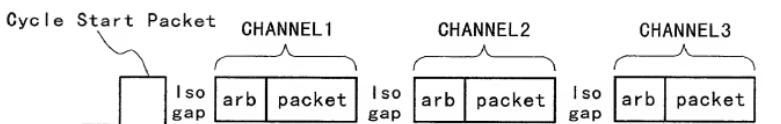


FIG. 12

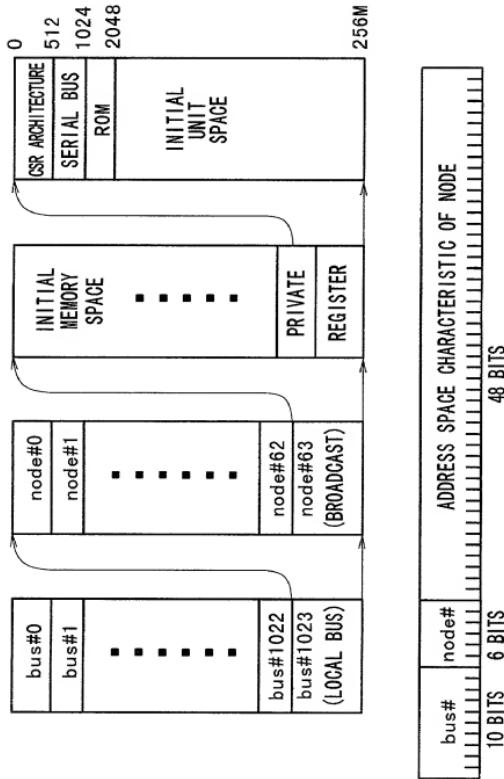


FIG. 13

OFFSETS	NAMES	FUNCTIONS
000h	STATE_CLEAR	STATE AND CONTROL INFORMATION
004h	STATE_SET	SET STATE CLEAR BIT
008h	NODE_IDs	INDICATE 16-BIT NODE ID
00Ch	RESET_START	START COMMAND RESET
018h-01Ch	SPLIT_TIMEOUT	PRESERVE MAXIMUM TIME OF SPLIT
200h	CYCLE_TIME	CYCLE TIME
210h	BUSY_TIMEOUT	PRESERVE LIMIT OF RETRY
21Ch	BUS_MANAGER	INDICATE BUS MANAGER ID
220h	BANDWIDTH_AVAILABLE	INDICATE BANDWIDTH THAT CAN BE ASSIGNED TO ISOCRONOUS COMMUNICATION
224h-228h	CHANNELS_AVAILABLE	INDICATE USED STATE OF EACH CHANNEL

F I G. 1 4

info_length	crc_length	rom_crc_value
bus_info_block		
root_directory		
unit_directories		
root & unit leaves		
vendor_dependent_information		

F I G. 1 6

900h	Output Master Plug Register
904h	Output Plug Control Register #0
908h	Output Plug Control Register #1
.....
97Ch	Output Plug Control Register #30
980h	Input Master Plug Register
984h	Input Plug Control Register #0
988h	Input Plug Control Register #1
.....
9FCh	Input Plug Control Register #30

F I G. 15

400h	04h	crc_length	rom_crc_value
Bus_info_block			
404h	"1394"		
408h	mg sg c reserved cyc_clk_acc max_rec reserved		
40Ch	Company_ID		Chip_ID_hi
410h	Chip_ID_lo		
Root_directory			
414h	root_length	CRC	
418h	03h	module_vendor_id	
41Ch	0Ch	node_capabilities	
420h	8Dh	node_unique_id_offset	
424h	D1h	unit_directory_offset	
428h		Optional.	
Unit_directory			
	unit_directory_length	CRC	
	12h	unit_spec_id	
	13h	unit_sw_version	
		Optional.	

F | G. 17 A

oMPR	data rate capability	broadcast channel base	non-persistent extension field	persistent extension field	reserved	number of output plugs
	2	6	8	8	3	5 (bit)

F | G. 17 B

oPCR[n]	on-line broadcast connection counter	point-to-point connection counter	reserved	channel number	data rate	overhead ID	payload
	1	1	6	2	6	2	4 10 (bit)

F | G. 17 C

iMPR	data rate capability	reserved	non-persistent extension field	persistent extension field	reserved	number of output plugs
	2	6	8	8	3	5 (bit)

F | G. 17 D

iPCR[n]	on-line broadcast connection counter	point-to-point connection counter	reserved	channel number	reserved	number of output plugs
	1	6	2	6	3	5 (bit)

FIG. 18

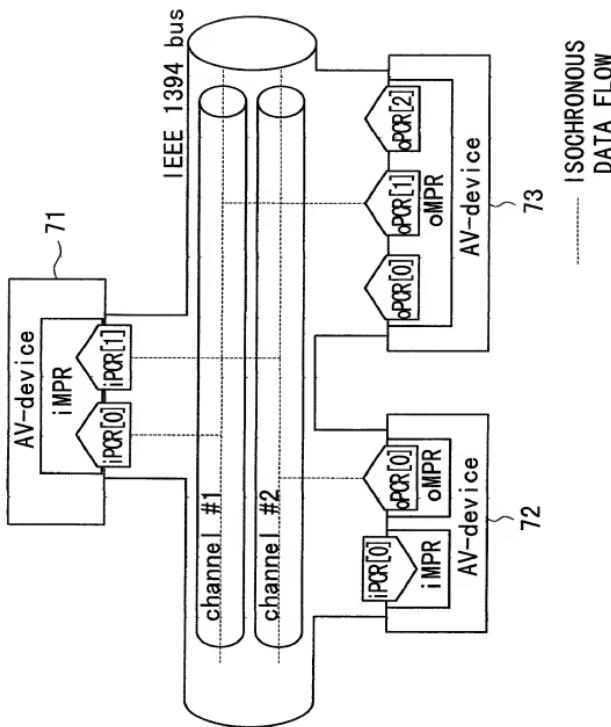


FIG. 19

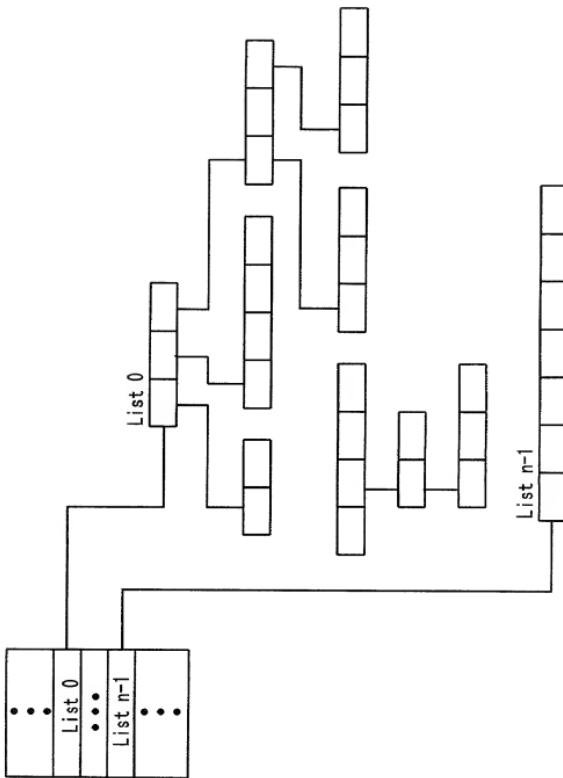


FIG. 20

The General Subunit Identifier Descriptor	
address	contents
00 00 ₁₆	descriptor_length
00 01 ₁₆	
00 02 ₁₆	generation_ID
00 03 ₁₆	size_of_list_ID
00 04 ₁₆	size_of_object_ID
00 05 ₁₆	size_of_object_position
00 06 ₁₆	number_of_root_object_lists(n)
00 07 ₁₆	
00 08 ₁₆	root_object_list_id_0
...	
...	
...	
...	root_object_list_id_n-1
...	
...	subunit_dependent_length
...	
...	subunit_dependent_information
...	
...	manufacturer_dependent_length
...	
...	manufacturer_dependent_information
...	

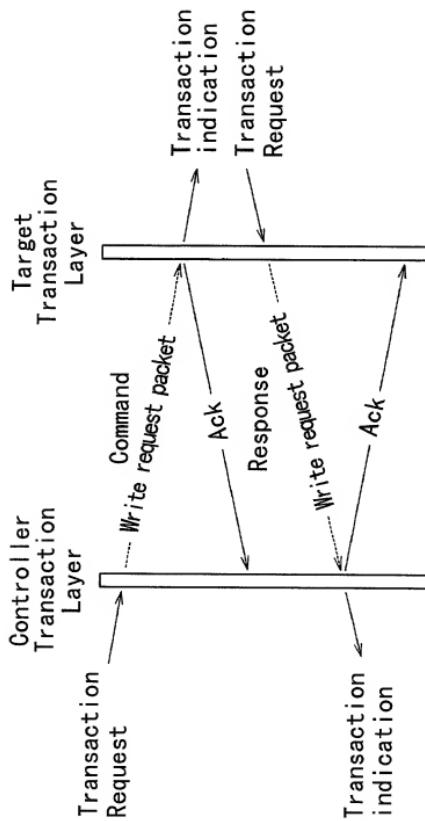
F I G. 21

generation_ID values	
generation_ID	meaning
0016	Data structures and command sets as specified in the AV/C General Specification, version 3.0
all others	reserved for future specification

F I G. 22

List ID Value Assignment Ranges	
range of values	list definition
000016-0FFF16	reserved
100016-3FFF16	subunit-type dependent
400016-FFFF16	reserved
1 000016-max list ID value	subunit-type dependent

FIG. 23



F | G. 24

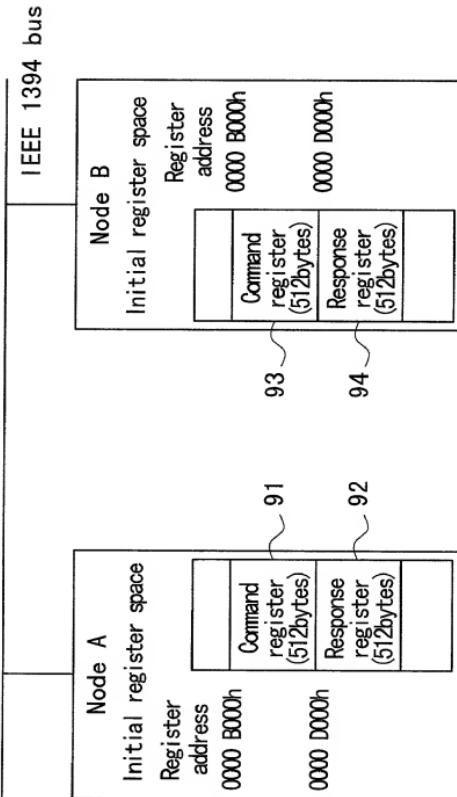
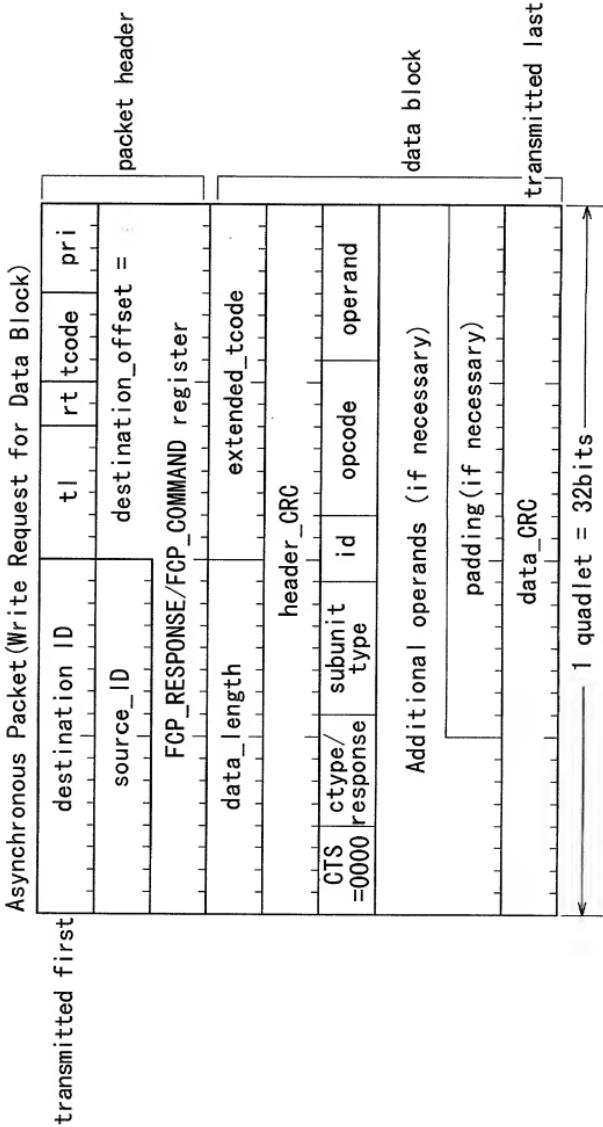


FIG. 25



ctype/response	subunit_type
0000 CONTROL	00000 Video monitor { reserved}
0001 STATUS	00011 Disc recorder/ Player
0010 SPECIFIC INQUIRY	00100 Tape recorder/ Player
0011 NOTIFY	00101 Tuner
0100 GENERAL INQUIRY	00111 Video Camera { reserved}
0101 { reserved for future specification}	11100 Vendor unique 11101 reserved
0111	11110 Subunit type extended to next byte
1000 NOT IMPLEMENTED	11111 Unit
1001 ACCEPTED	
1010 REJECTED	
1011 IN TRANSITION	
1100 IMPLEMENTED/STABLE	
1101 CHANGED	
1110 { reserved for future specification}	
1111 INTERIM	

FIG. 26A

opcode: Operation Code
00h VENDOR-DEPENDENT
50h SEARCH MODE
51h TIMECODE
52h ATN
60h OPEN MIC
61h READ MIC
62h WRITE MIC
C1h LOAD MEDIUM
C2h RECORD
C3h PLAY
C4h WIND
{ }

FIG. 26B

FIG. 26C

				tape
			recorder IN THE CASE	
		/player	OF 100	PLAY
				FORWARD
	AV/C	control		
	CTS=	ctype=	subunit	
	0000	0000	type=	opcode=
			00100	operand=
				75h

F I G. 27 A

			tape
			recorder IN THE CASE
		/player	OF 100
			PLAY
			FORWARD
	AV/C	accepted	
	CTS=	response	subunit
	0000	=1001	type=
			000
			opcode=
			0100
			operand=
			75h

F I G. 27 B

FIG. 28

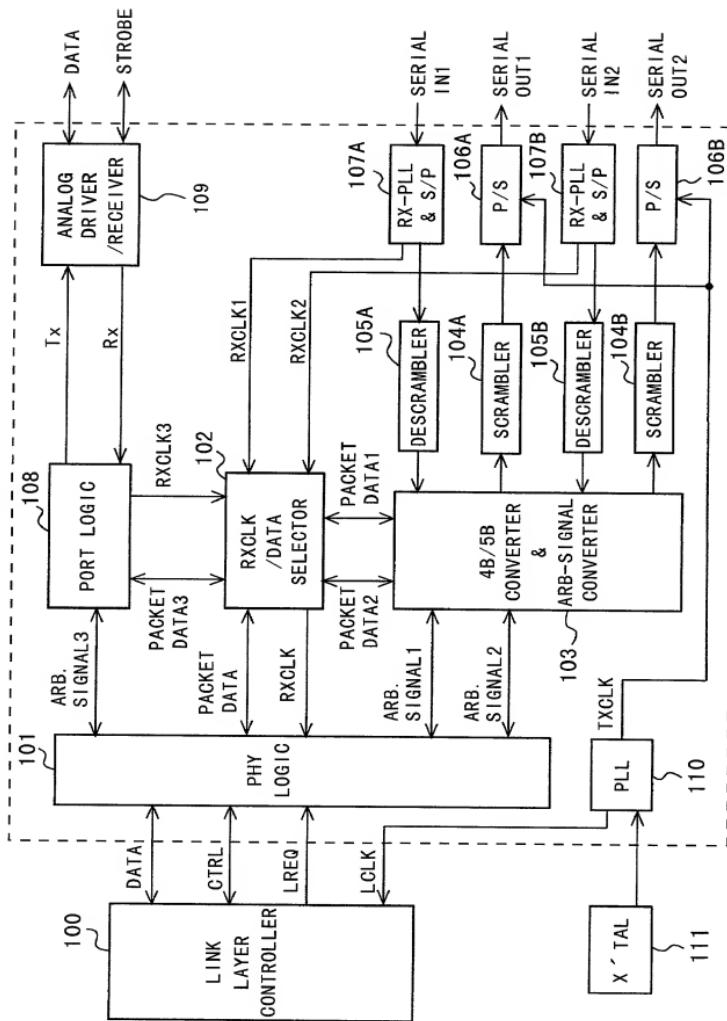


FIG. 29

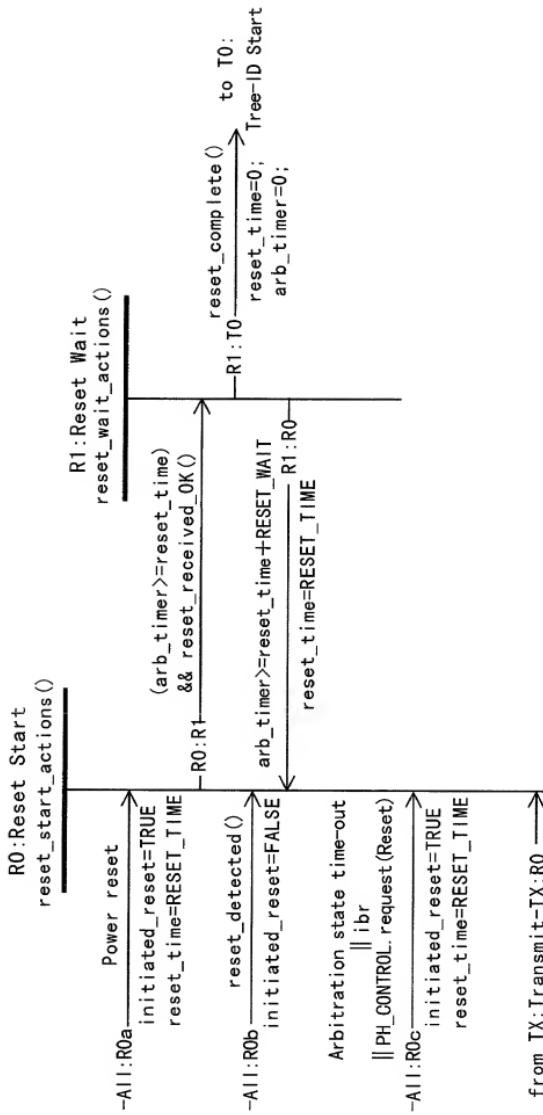


FIG. 30

